



Fig. 2A

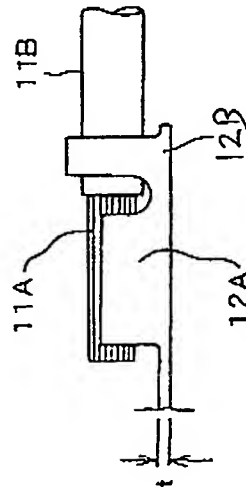
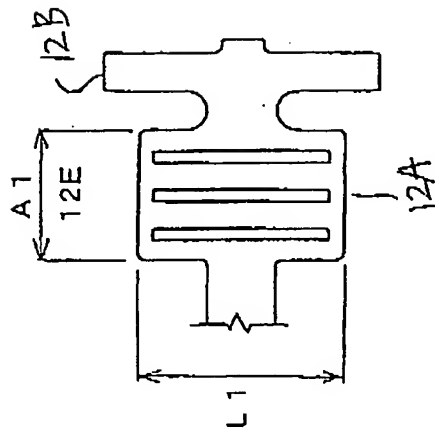


Fig. 2B

Fig. 2C

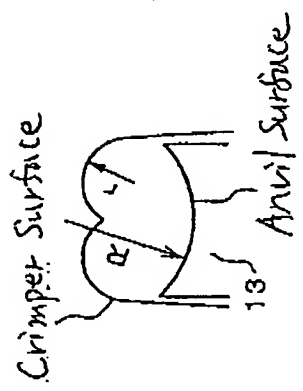
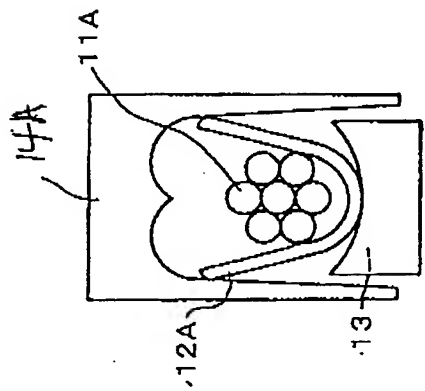


Fig. 2D

Fig. 2E

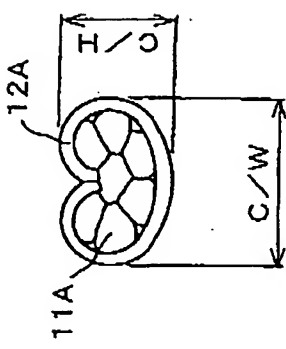
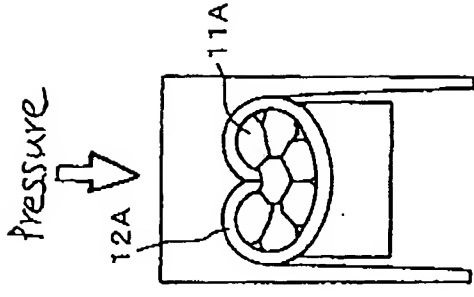
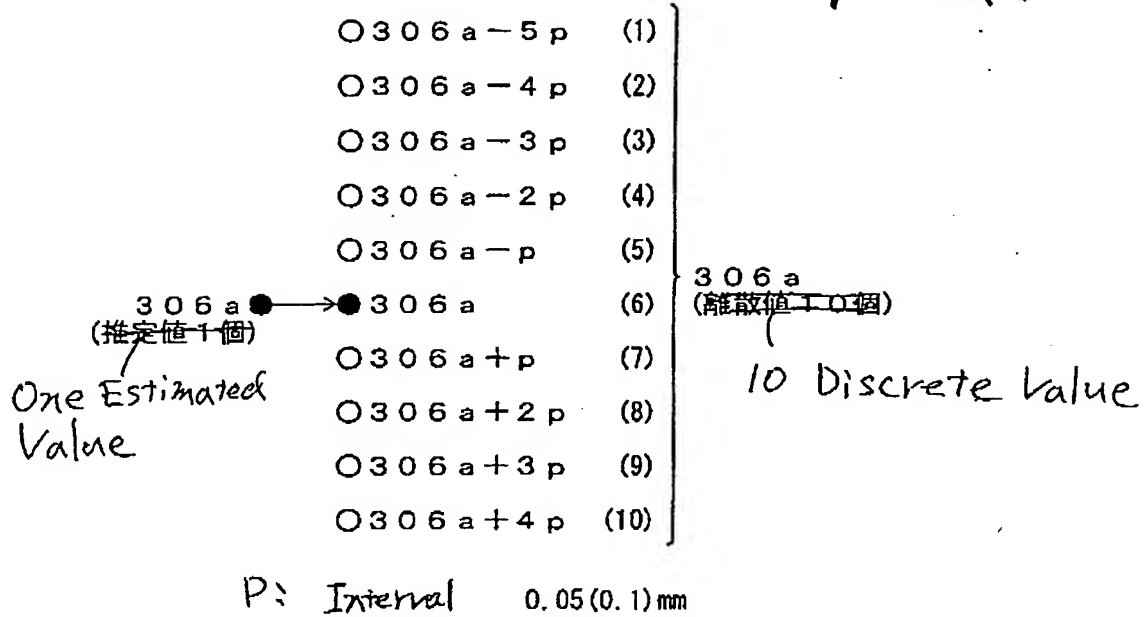


Fig. 2F

# FIG. 3



# FIG. 4

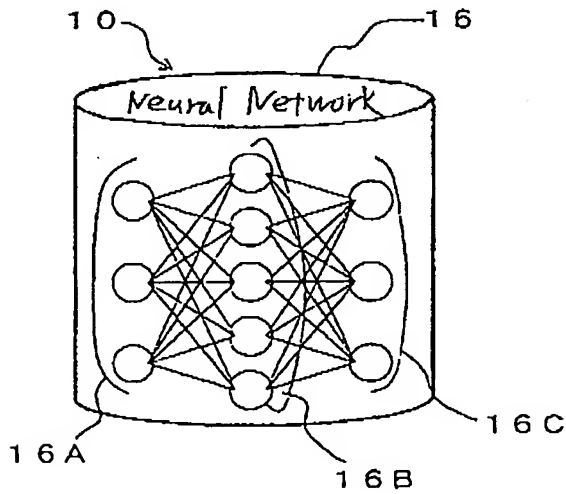


Fig. 5A

[REQUIREMENTS FOR ESTIMATION]		LIMIT VALUES	
WIRE TYPE	AVSS-F	TERMINAL "t"	0.44mm
WIRE SIZE (NOMINAL SIZE)	0.75	L1	8.00mm
TERMINAL PLATING, PLATED	YES	A1	4.00mm
NEURO ESTIMATION		COMPUTED CROSS-SECTIONAL AREA	0.7895mm <sup>2</sup>
TYPE C/W	2.77mm	NUMBER OF CONSTITUENT WIRES	19ea
C/H	1.44mm	RADIUS OF ANVIL	2.40mm

Fig. 5B

[ESTIMATION RESULTS]				
No.	C/H	COMPRESSIBILITY	ADHESION FORCE	RESISTANCE
1	1.19	66.09	11.75	0.07
2	1.24	69.54	12.46	0.09
3	1.29	73.34	13.14	0.12
4	1.34	77.27	13.75	0.16
5	1.39	82.31	14.27	0.19
6	1.44	87.71	14.68	0.24
7	1.49	93.90	14.94	0.31
8	1.54	101.04	15.01	0.42
9	1.59	109.26	14.70	0.61
10	1.64	118.64	13.57	0.98

C/H CRIMP HEIGHT  
C/W CRIMP WIDTH

Fig. SC

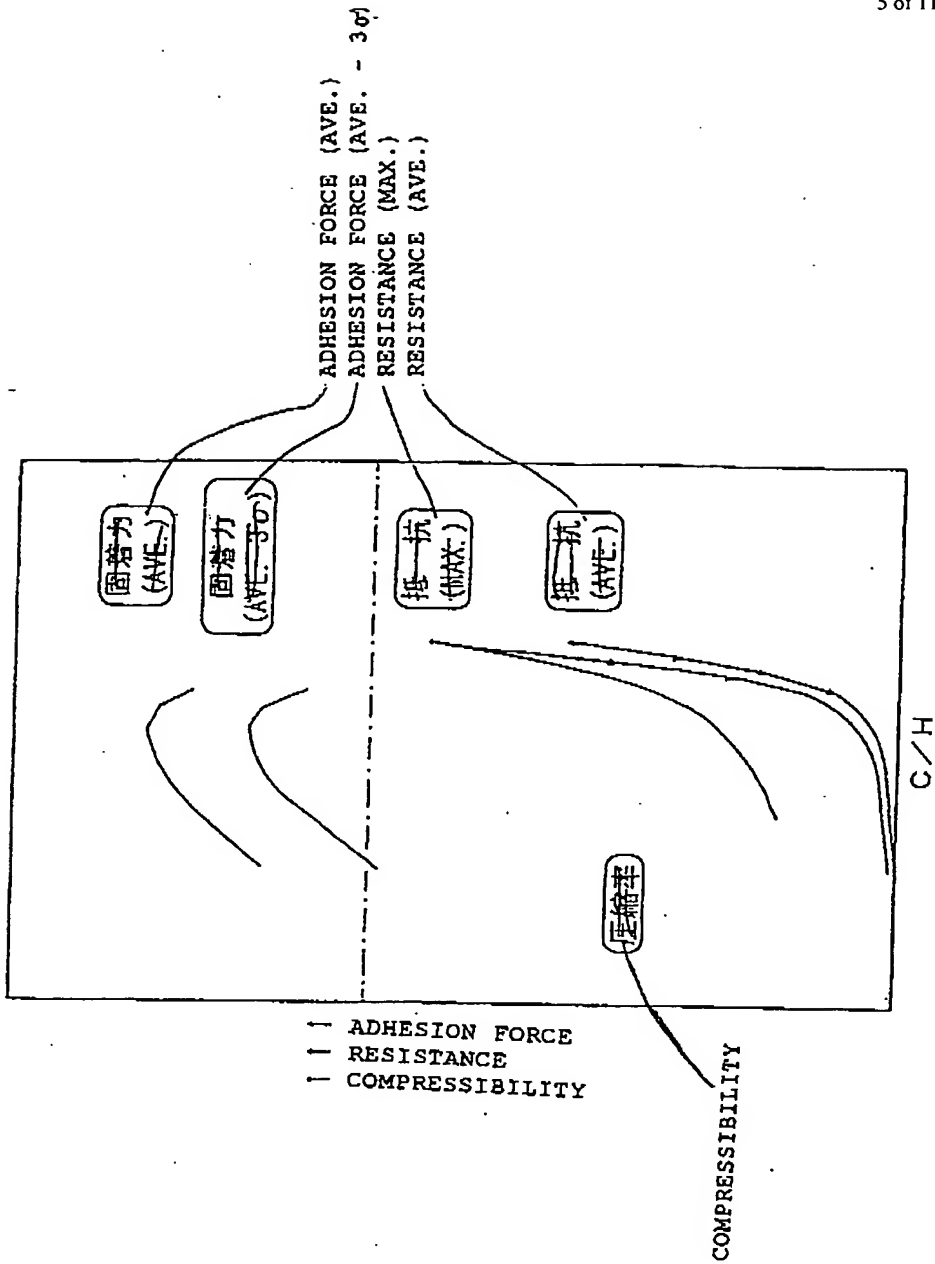


FIG. 6

COMPUTED CROSS-SECTIONAL AREA

SERRATION (SIZE, SHAPE)  
PLATING TYPE

PLATE THICKNESS  
10a

BARREL LENGTH  
10b

10c

10g

CONSTITUENT WIRE FORM

RADIUS OF ANVIL  
21

70

10e

10f

CRIMP LENGTH

MATERIAL (MODULUS OF LONGITUDINAL  
ELASTICITY, HARDNESS etc.)

NUMBER OF CONSTITUENT WIRES

20 C/W ESTIMATION SECTION

21 C/W SETTING SECTION

30 C/H ESTIMATION SECTION

40 COMPRESSIBILITY ESTIMATION SECTION

50 ADHESION FORCE ESTIMATION SECTION

60 RESISTANCE ESTIMATION SECTION

70 SEQUENTIAL OUTPUT SECTION

10

60

50

40

30

20

10

10a

10b

10c

10g

10h

10i

10j

10k

10l

10m

10n

10o

10p

10q

10r

10s

10t

10u

10v

10w

10x

10y

10z

10aa

10ab

10ac

10ad

10ae

10af

10ag

10ah

10ai

10aj

10ak

10al

10am

10an

10ao

10ap

10aq

10ar

10as

10at

10au

10av

10aw

10ax

10ay

10az

10ba

10bb

10bc

10bd

10be

10bf

10bg

10bh

10bi

10bj

10bk

10bl

10bm

10bn

10bo

10bp

10bq

10br

10bs

10bt

10bu

10bv

10bw

10bx

10by

10bz

10ca

10cb

10cc

10cd

10ce

10cf

10cg

10ch

10ci

10cj

10ck

10cl

10cm

10cn

10co

10cp

10cq

10cr

10cs

10ct

10cu

10cv

10cw

10cx

10cy

10cz

10da

10db

10dc

10dd

10de

10df

10dg

10dh

10di

10dj

10dk

10dl

10dm

10dn

10do

10dp

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10ec

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10ee

10ef

10eg

10eh

10ei

10ej

10ek

10el

10em

10en

10eo

10ep

10eq

10er

10es

10et

10eu

10ev

10ew

10ex

10ey

10ez

10fa

10fb

10fc

10fd

10fe

10ff

10fg

10fh

10fi

10fj

10fk

10fl

10fm

10fn

10fo

10fp

10fq

10fr

10fs

10ft

10fu

10fv

10fw

10fx

10fy

10fz

10ga

10gb

10gc

10gd

10ge

10gf

10gg

10gh

10gi

10gj

10gk

10gl

10gm

10gn

10go

10gp

10gq

10gr

10gs

10gt

10gu

10gv

10gw

10gx

10gy

10gz

10ha

10hb

10hc

10hd

10he

10hf

10hg

10hh

10hi

10hj

10hk

10hl

10hm

10hn

10ho

10hp

10hq

10hr

10hs

10ht

10hu

10hv

10hw

10hx

10hy

10hz

10ia

10ib

10ic

10id

10ie

10if

10ig

10ih

10ii

10ij

10ik

10il

10im

10in

10io

10ip

10iq

10ir

10is

10it

10iu

10iv

10iw

10ix

10iy

10iz

10ja

10jb

10jc

10jd

10je

10jf

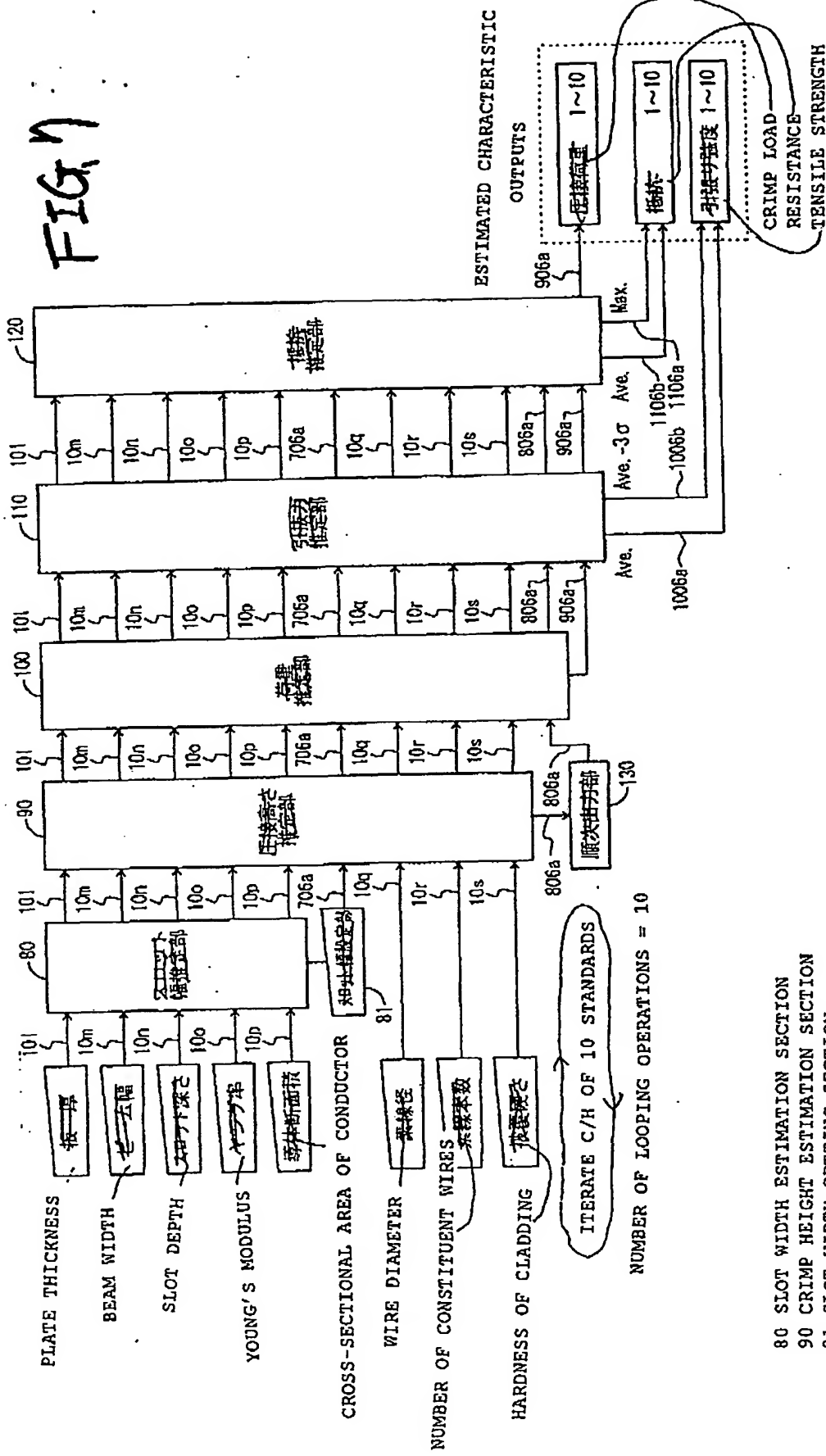
10jg

10jh

10ji

10jj

CRIMPING [INTERNAL PROCESSING FLOW]



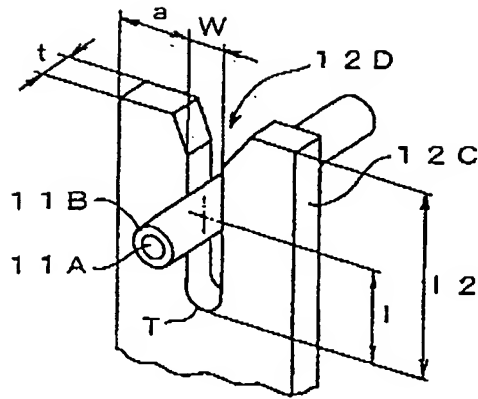


FIG. 8A

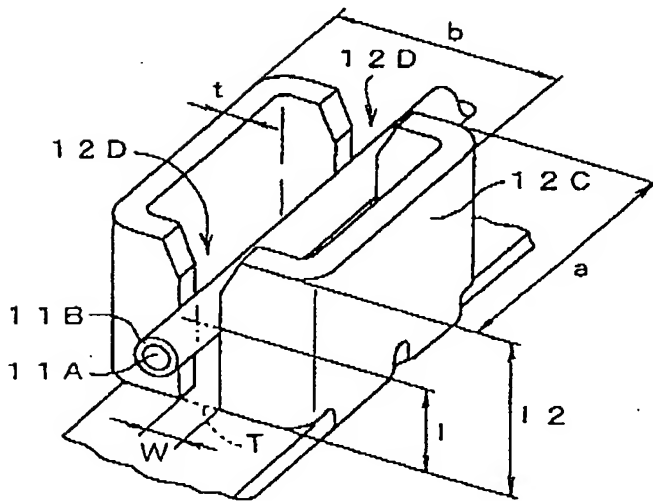


FIG. 8B



FIG. 9

- $\bigcirc 806a - 5p$  (1)  
 $\bigcirc 806a - 4p$  (2)  
 $\bigcirc 806a - 3p$  (3)  
 $\bigcirc 806a - 2p$  (4)  
 $\bigcirc 806a - p$  (5)  
 $\bigcirc 806a$  (6)  
 $\bigcirc 806a + p$  (7)  
 $\bigcirc 806a + 2p$  (8)  
 $\bigcirc 806a + 3p$  (9)  
 $\bigcirc 806a + 4p$  (10)
- 806a ● → ● 806a  
 (推定値十個)  
 One Estimated Value

P: Interval : 0.05 (0.1) mm

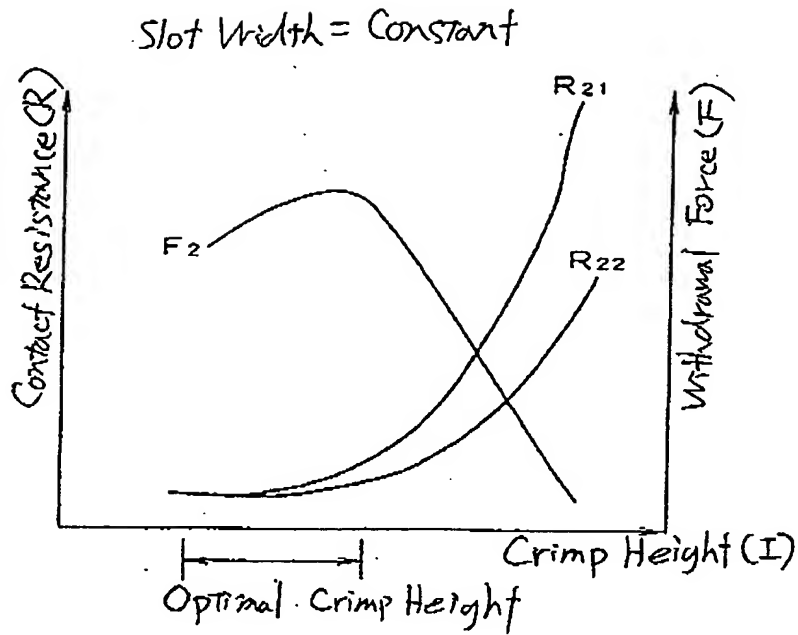


FIG. 10A

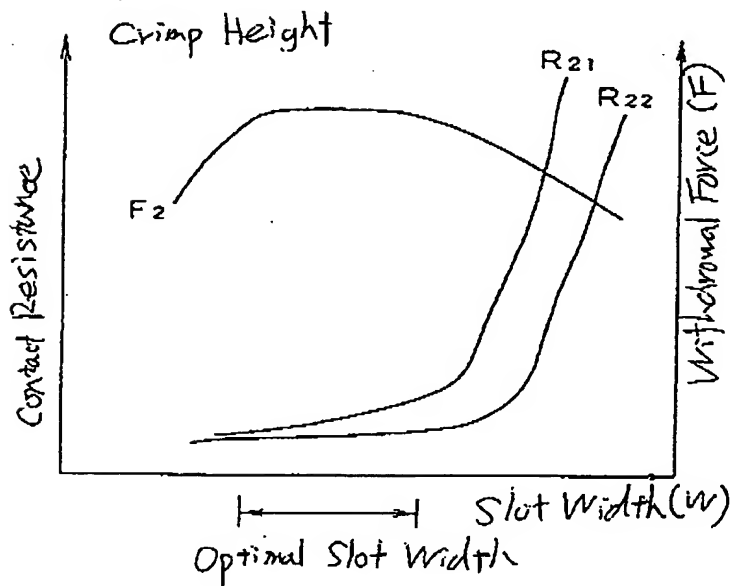


FIG. 10B

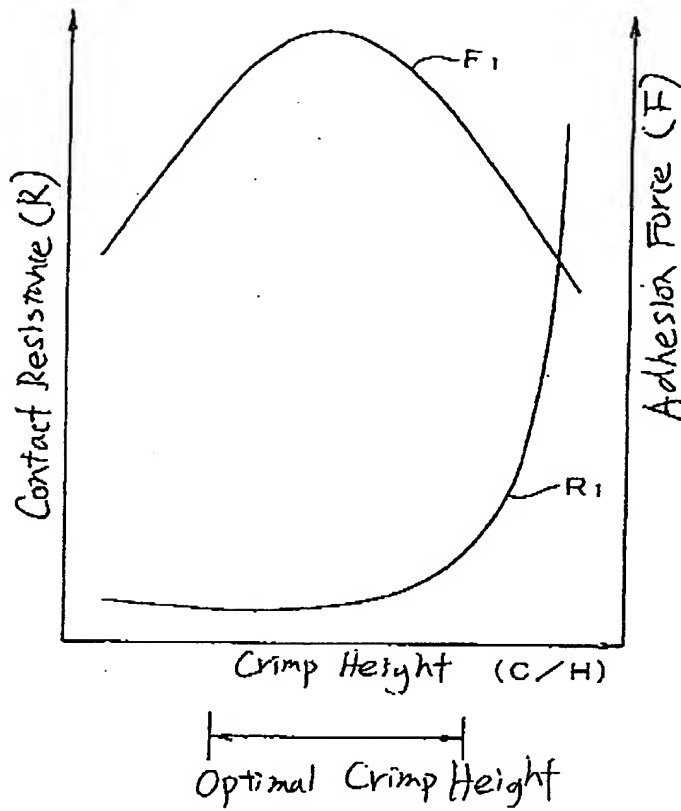


FIG. 11